

Multidisciplinary Approaches to Gestational Diabetes

Donald Warne, MD, MPH, CDE
Oglala Lakota

February 22, 2006

College of Law
Arizona State University

AI Health Disparities

Life Expectancy in Years (2000):

	<u>Men</u>	<u>Women</u>	<u>Total</u>
U.S.	73.2	79.6	76.5
AI/AN	<u>66.1</u>	<u>74.4</u>	<u>70.6</u>
<i>Disparity:</i>	7.1	5.2	5.9

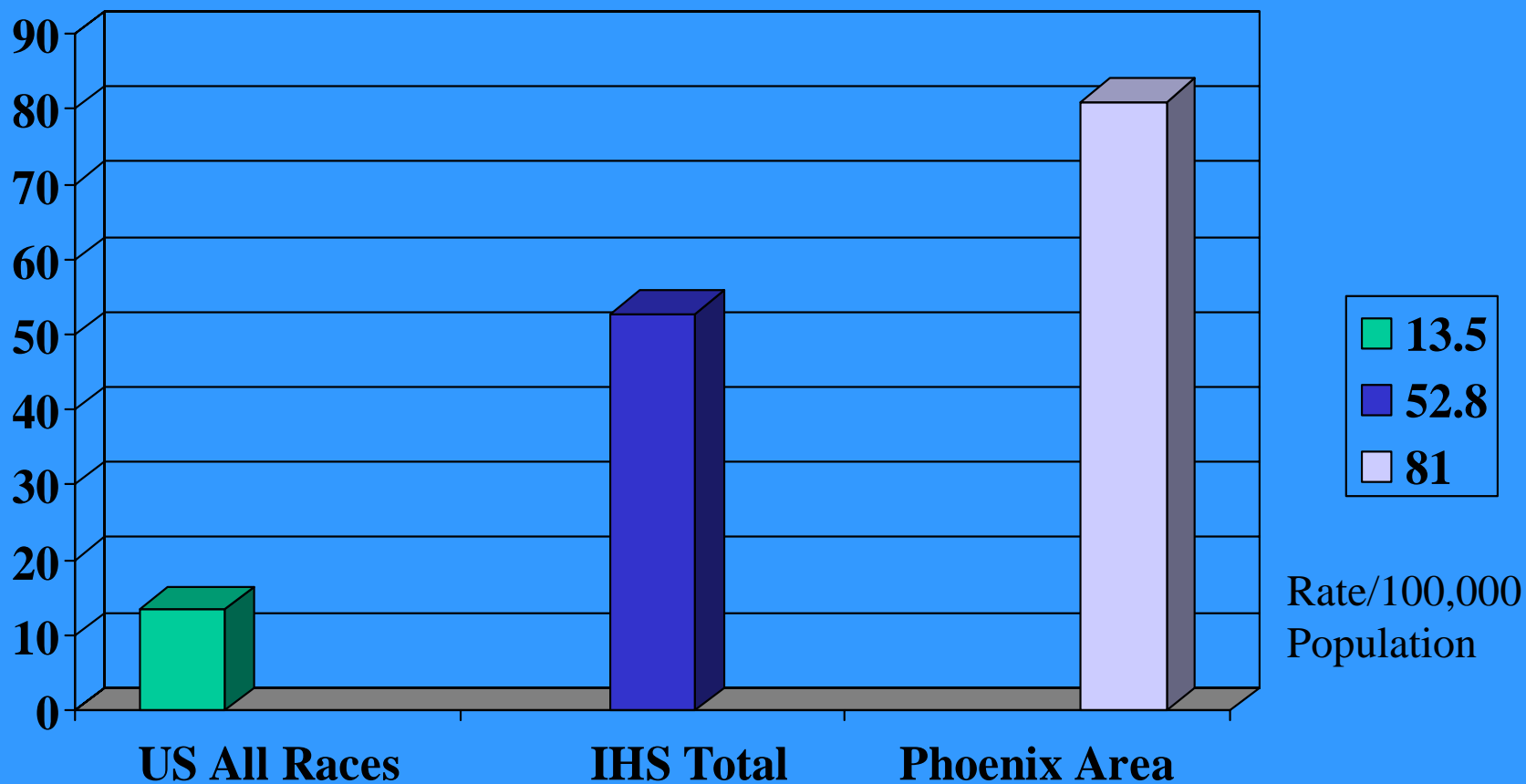
Ave age of death in AZ: All (72.2); AI (54.7)

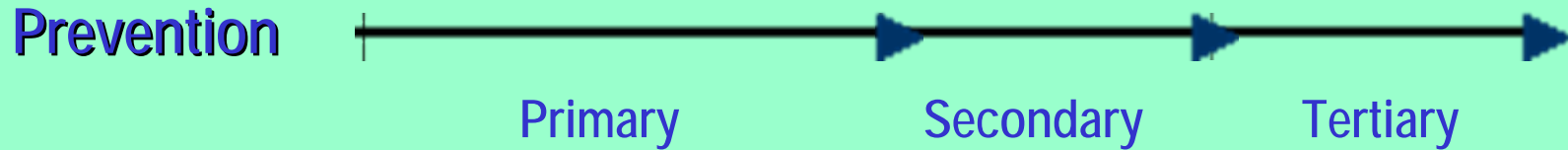
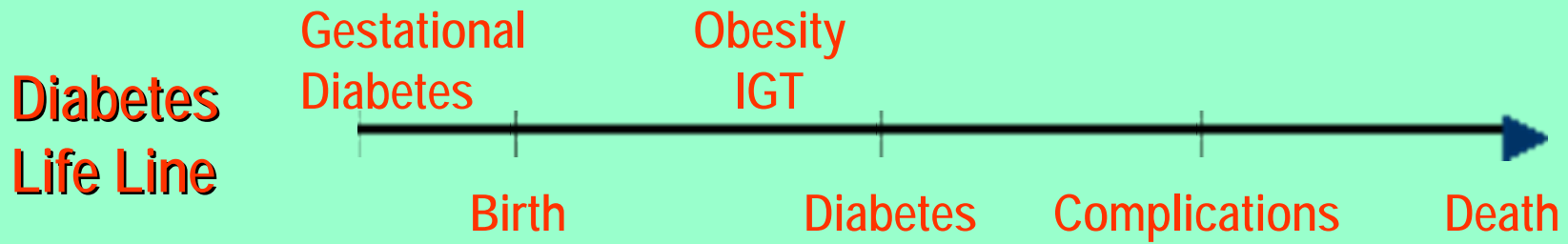
AI Health Disparities

Death rates from *preventable diseases* among AIs are significantly higher than among non-Indians:

- Diabetes 291% greater
- Alcoholism 638% greater
- Accidents 215% greater
- Suicide 91% greater

Diabetes Death Rates



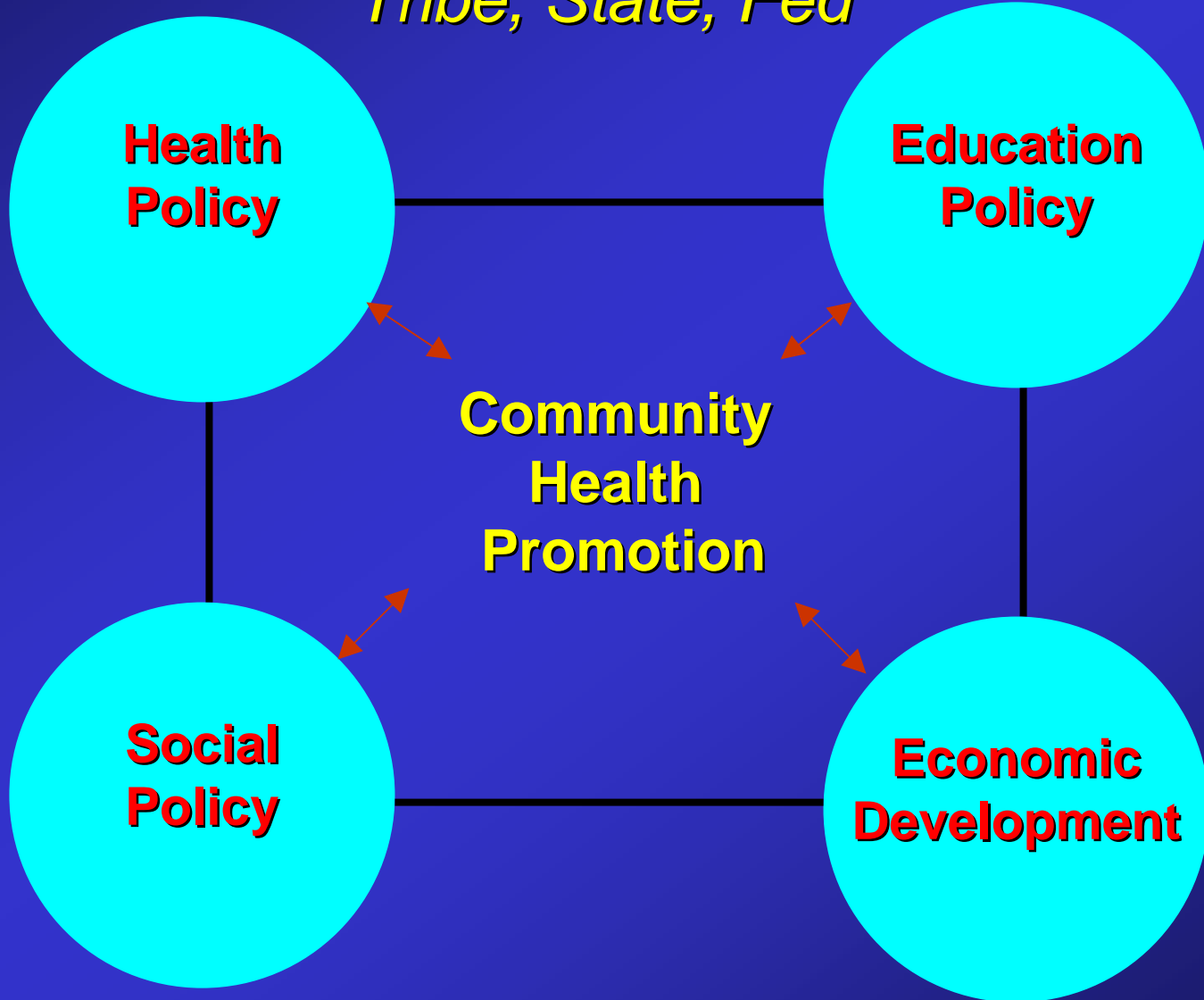


Need: Agency
 Coordination

Need: Care
 Coordination

Policy Coordination Strategies

Tribe, State, Fed



Diabetes Prevention Strategies

- *Schools*

- Daily Physical Education
- Healthy Food
- Reduce Access to Junk Food

- *Community*

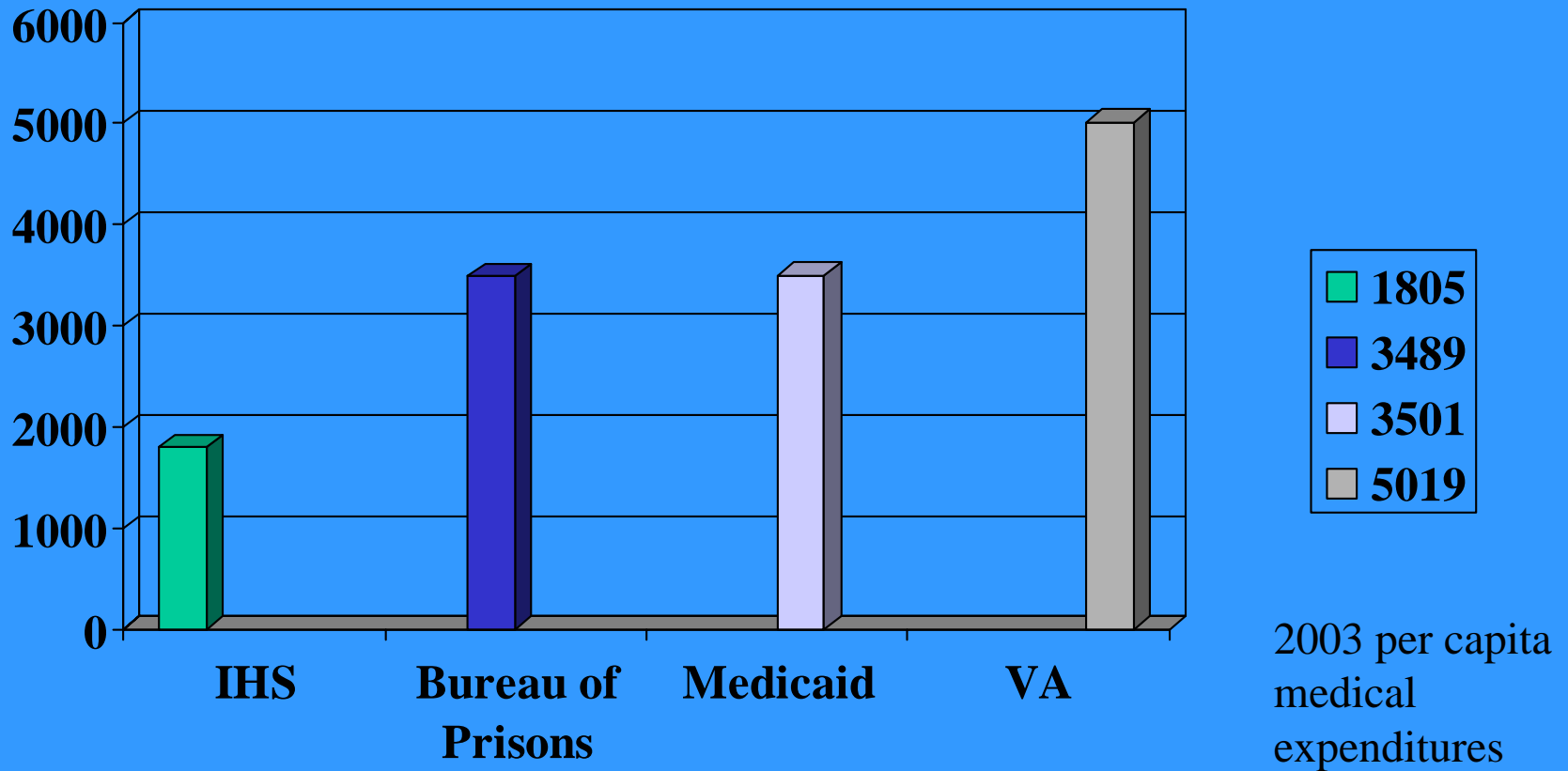
- Facilitate Physical Activity & Access to Healthy Food
- Health Promotion starts in the home

AI Resource Disparities

Per capita medical expenditures in 2003 federal budget:

- **Indian Health Service \$1,805**
- **Medicaid recipients \$3,501**
- **VA beneficiaries \$5,019**
- **Bureau of Prisons \$3,489**

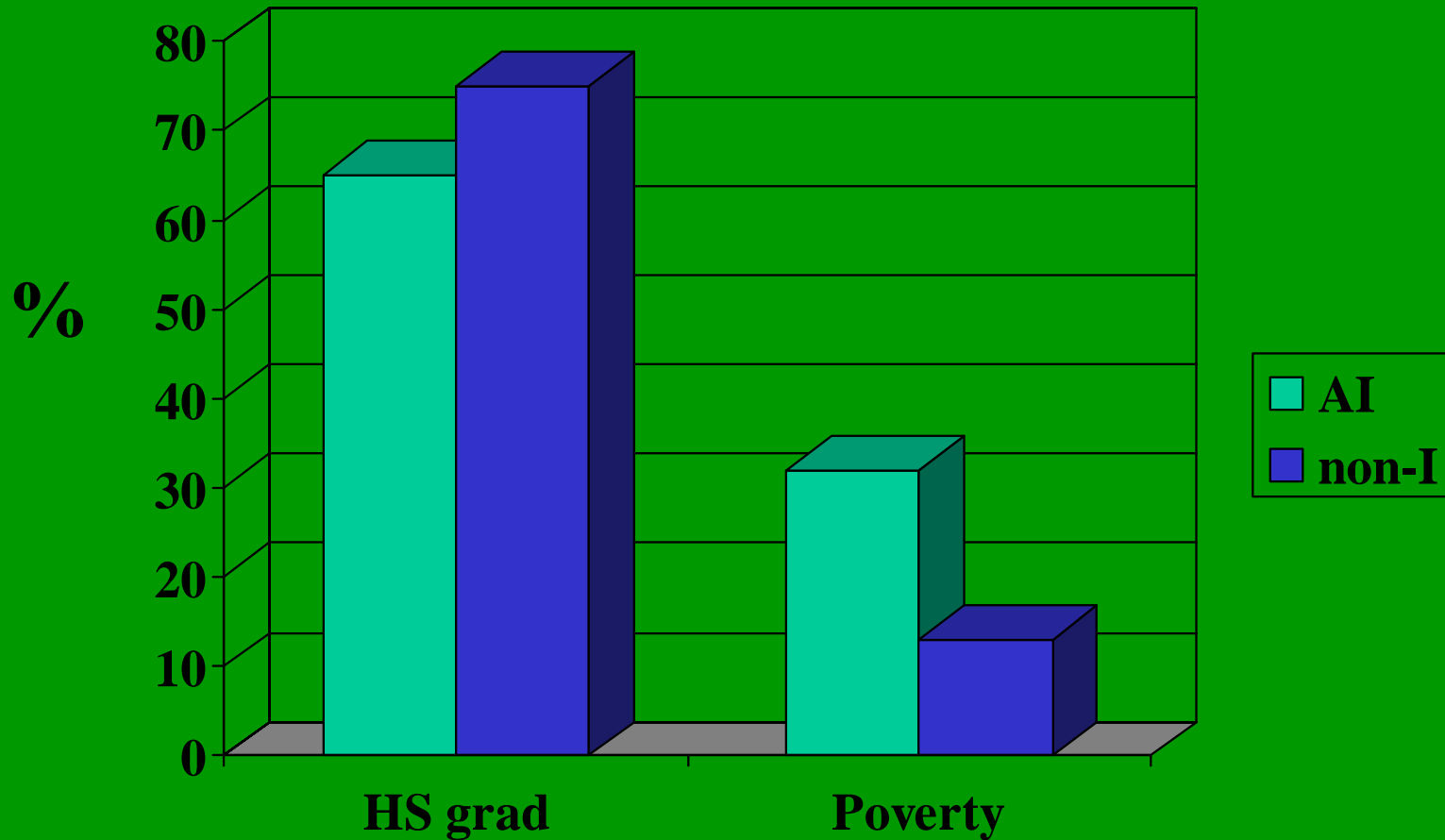
AI Healthcare Resource Disparities



American Indian Socioeconomic Status

- A link between poverty, low educational attainment and poorer health outcomes is well established
- Heart disease, diabetes, obesity and poor blood sugar control are more prevalent among individuals with low income and educational attainment
- AI population with lowest per capita income and lowest educational attainment in US

American Indian Socio-economics



Resource Disparities and Funding of Indian Health

Federal Funding

Department of the Interior

- Bureau of Indian Affairs (BIA) has primary responsibility for providing recognized tribes with federal services (including schools)
- Budget decreased from 1975-2000 by \$6 million yearly when adjusted for inflation
- \$7.4 billion in unmet needs

Resource Disparities and Funding of Indian Health

Federal Funding

U. S. Department of Agriculture

- AI's are > twice as likely as the general US population to face hunger and food insecurity
- USDA economic development programs are underfunded
- Commodity Food Program (FDPIR) lost 2.8% of funding from 1999-2003 when inflation adjusted

Community Policy Coordination Challenges

- **Competing Agendas**
- **Funding**
- **Agency Coordination**
 - **Multiple Levels of Government**
 - **Multiple Disciplines**
 - **Public Health & Medicine**
 - **Multiple School Systems**
- **Personal Choices**

